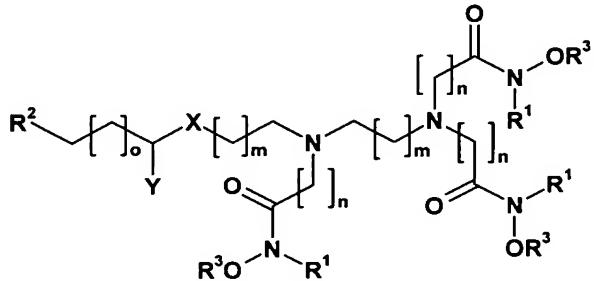


This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Previously Presented) A compound having the formula:



where:

n, m and o are, independently, an integer from 1 to about 4;

X is CH₂, N(R⁴), oxygen or sulfur;

Y is hydrogen, hydroxyl, =O, N(R⁴)(R⁵), or =S;

R¹ is hydrogen, alkyl having 1 to 5 carbon atoms, or a protective group;

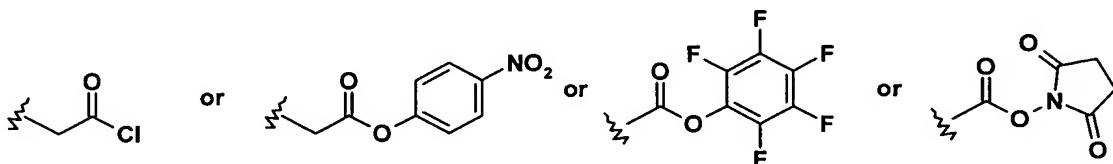
R² is an activated ester, a carboxylic acid, an alkyl isothiocyanate, an aromatic isothiocyanate or a leaving group;

R³ is hydrogen or a protective group;

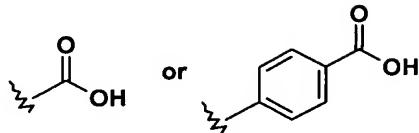
R⁴ is hydrogen, alkyl having 1 to 5 carbon atoms, or a protective group; and

R⁵ is hydrogen, alkyl having 1 to 5 carbon atoms, or a protective group.

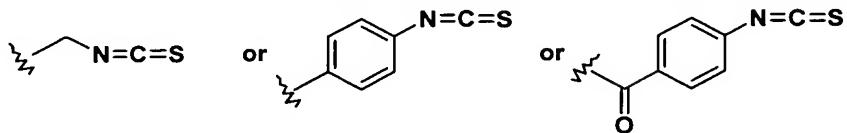
2. (Previously Presented) The compound of claim 1 wherein the activated ester is:



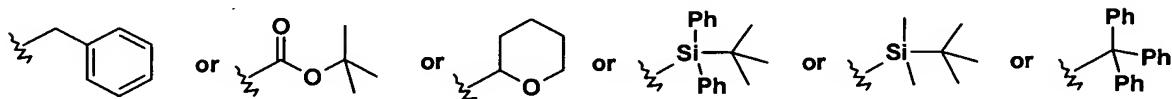
3. (Previously Presented) The compound of claim 1 wherein the carboxylic acid group is:



4. (Previously Presented) The compound of claim 1 wherein the isothiocyanato group is:



5. (Previously presented) The compound of claim 1 wherein R³ is hydrogen or a protective group that is:



6. (Original) The compound of claim 1 wherein the protective group is tert-butoxycarbonyl or benzyloxycarbonyl.

7. (Original) The compound of claim 1 wherein n is equal to 1 or 2 and m is equal to 1 or 2.

8. (Previously presented) The compound of claim 1 wherein:

n or m or o is 1 or 2;

X is N(R⁴) or oxygen;

Y is hydrogen or =O;

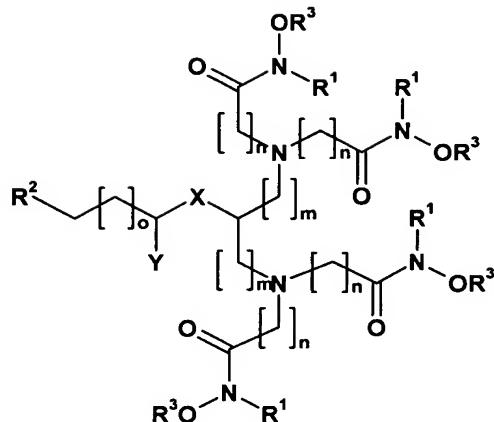
R¹ is hydrogen or methyl;

R² is p-nitrophenyl ester;

R³ is hydrogen or tert-butyldiphenylsilyl; and

R⁴ is methyl, ethyl, propyl or butyl.

9. (Previously Presented) A compound having the formula:



where:

n, m and o are, independently, an integer from 1 to about 4;

X is CH_2 , $\text{N}(\text{R}^4)$, oxygen or sulfur;

Y is hydrogen, $-\text{OH}$, $=\text{O}$, $\text{N}(\text{R}^4)(\text{R}^5)$, or $=\text{S}$;

R^1 is hydrogen, alkyl having 1 to 5 carbon atoms, or a protective group;

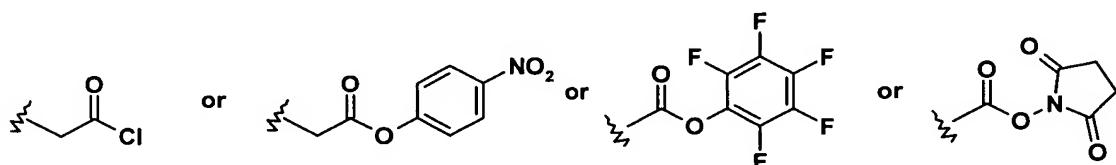
R^2 is an activated ester, a carboxylic acid, an alkyl isothiocyanate, an aromatic isothiocyanate or a leaving group;

R^3 is hydrogen or a protective group;

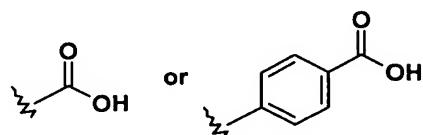
R^4 is hydrogen, alkyl having 1 to 5 carbon atoms, or a protective group; and

R^5 is hydrogen, alkyl having 1 to 5 carbon atoms, or a protective group.

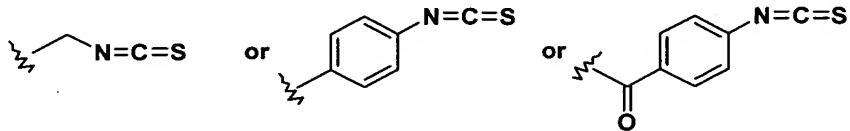
10. (Previously Presented) The compound of claim 9 wherein the activated ester is:



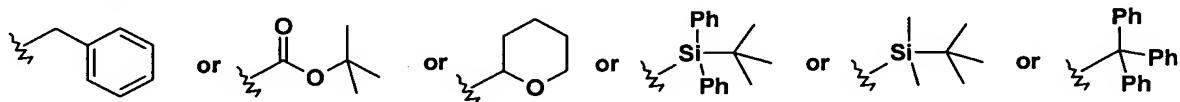
11. (Previously Presented) The compound of claim 9 wherein the carboxylic acid group is:



12. (Previously Presented) The compound of claim 9 wherein the isothiocyanato group is:



13. (Previously presented) The compound of claim 9 wherein R³ is hydrogen or a protective group which is:



14. (Original) The compound of claim 9, wherein the protecting group is tert-butoxycarbonyl or benzyloxycarbonyl.

15. (Currently Amended) The compound of claim 9 wherein:

n or m or o is 1 or 2;

X is N(R⁴) or oxygen;

Y is hydrogen or carbonyl;

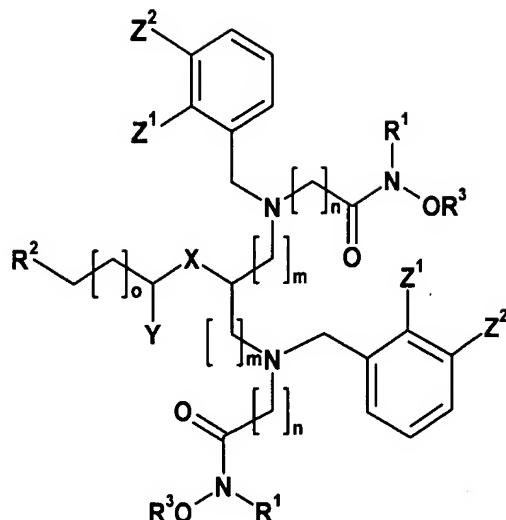
R¹ is hydrogen or methyl;

R² is p-nitrophenyl ester;

R³ is hydrogen or tert-butyldiphenylsilyl; and

R⁴ is methyl, ethyl, propyl or butyl.

16. (Previously Presented) A compound having the formula:



where n, m and o are, independently, an integer from 1 to about 4;

X is CH_2 , $\text{N}(\text{R}^4)$, oxygen or sulfur;

Y is hydrogen, $-\text{OH}$, $=\text{O}$, $\text{N}(\text{R}^4)(\text{R}^5)$, or $=\text{S}$;

R^1 is hydrogen, alkyl having 1 to 4 carbon atoms, or a protective group;

R^2 is an activated ester, a carboxylic acid, or a leaving group;

R^3 is hydrogen or a protective group;

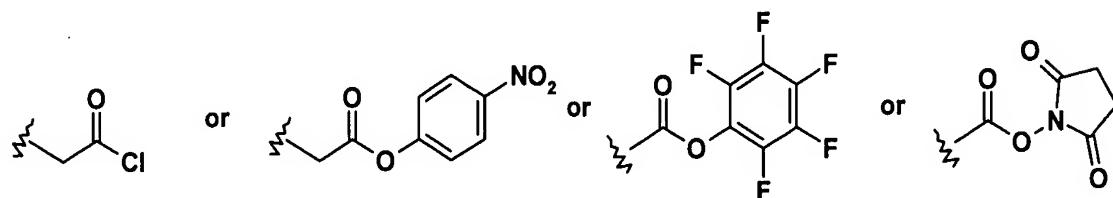
R^4 is hydrogen, alkyl having 1 to 5 carbon atoms, or a protective group;

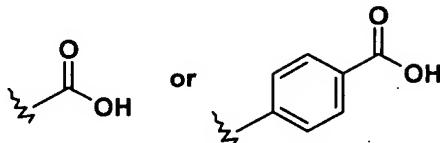
R^5 is hydrogen, alkyl having 1 to 5 carbon atoms, or a protective group;

Z^1 is hydrogen, $\text{N}(\text{R}^4)(\text{R}^5)$, $-\text{OH}$, $=\text{O}$, or $=\text{S}$; and

Z^2 is hydrogen, $\text{N}(\text{R}^4)(\text{R}^5)$, $-\text{OH}$, $=\text{O}$, or $=\text{S}$.

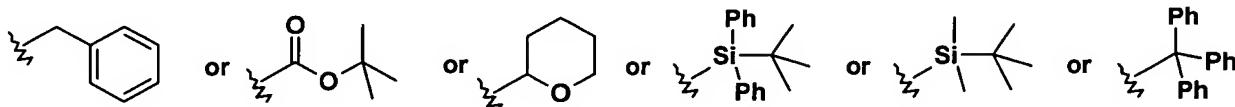
17. (Previously Presented) The compound of claim 16 wherein the activated ester is:



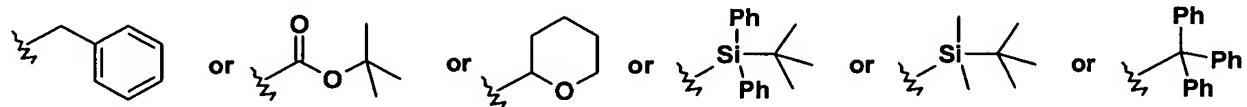


19. (Canceled)

20. (Previously presented) The compound of claim 16 wherein R³ is hydrogen or a suitable protective group which is:



21. (Previously Presented) The compound of claim 16 wherein the protective group is tert-butoxycarbonyl or benzyloxycarbonyl or



22. (Previously presented) The compound of claim 16 wherein:

n or m or o is 1 or 2;

X is N(R⁴) or oxygen;

Y is hydrogen or =O;

R¹ is hydrogen or methyl;

R² is *p*-nitrophenyl ester;

R³ is hydrogen or tert-butyldiphenylsilyl;

R⁴ is methyl, ethyl, propyl or butyl;

Z¹ is -OH; and

Z² is hydrogen or -OH.

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Office Action Dated: March 1, 2006

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23. (Original) A pharmaceutical composition comprising a compound according to claim 1 in free or in pharmaceutically acceptable salt form and one or more pharmaceutically acceptable carriers or diluents.

24. (Original) A pharmaceutical composition comprising a compound according to claim 9 in free or in pharmaceutically acceptable salt form and one or more pharmaceutically acceptable carriers or diluents.

25. (Original) A pharmaceutical composition comprising a compound according to claim 16 in free or in pharmaceutically acceptable salt form and one or more pharmaceutically acceptable carriers or diluents.

26. (Currently Amended) A method of detecting a disease in an animal comprising administering to an said animal a compound of claim 1 complexed with a radionuclide.

27. (Original) The method of claim 26 further comprising detecting said radionuclide in said animal.

28. (Currently Amended) A method of detecting a disease in an animal comprising administering to an said animal a compound of claim 9 complexed with a radionuclide.

29. (Currently Amended) A method of detecting a disease in an animal comprising administering to an said animal a compound of claim 16 complexed with a radionuclide.

30. (Canceled)

31. (Previously presented) The method of claim 34 further comprising the step of detecting said radionuclide in said animal.

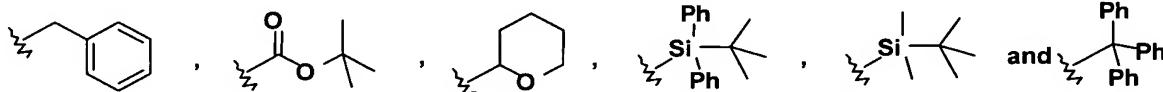
34. (Currently Amended) A method of treating a disease in an animal comprising administering to an animal in need thereof a therapeutically effective amount of a compound according to claim 1 complexed with a radionuclide.

35. (Currently Amended) A method of treating a disease in an animal comprising administering to an animal in need thereof a therapeutically effective amount of a compound according to claim 9 complexed with a radionuclide.

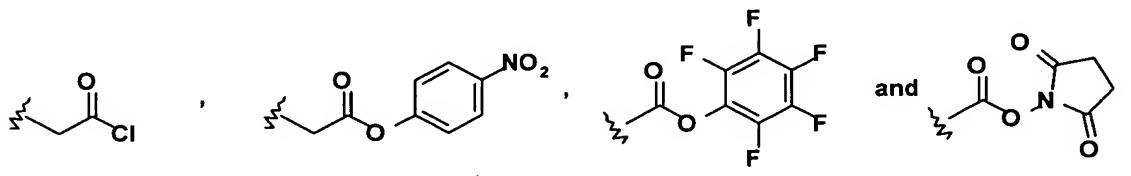
36. (Currently Amended) A method of treating a disease in an animal comprising administering to an animal in need thereof a therapeutically effective amount of a compound according to claim 16 complexed with a radionuclide.

37. (New) The compound of claim 1 wherein:

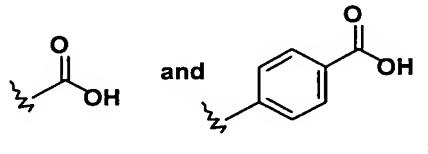
said protective group is selected from the group comprising benzyloxycarbonyl,



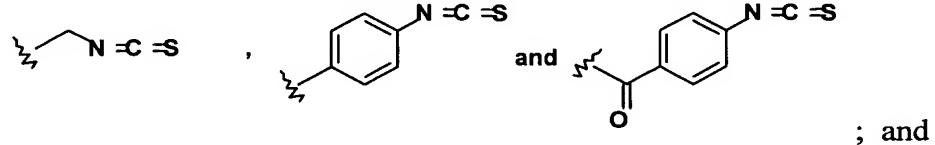
said activated ester is selected from the group comprising



said carboxylic acid is selected from the group comprising

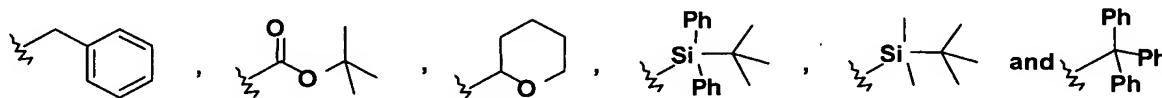


said isothiocyanate is selected from the group comprising

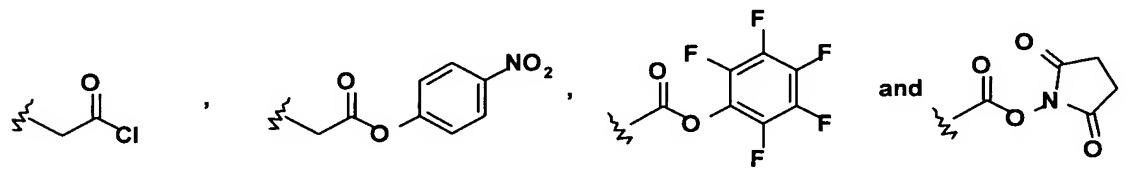


said leaving group is selected from the group comprising halo, mesylate, tosylate, and trifluorosulfonate.

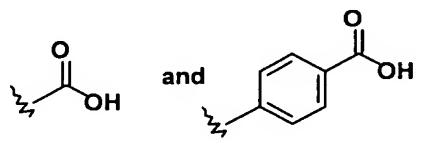
38. (New) The compound of claim 9 wherein said protective group is selected from the group comprising benzyloxycarbonyl,



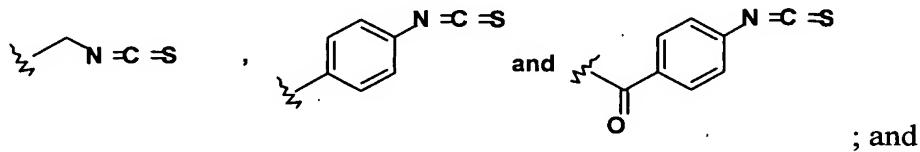
said activated ester is selected from the group comprising



said carboxylic acid is selected from the group comprising

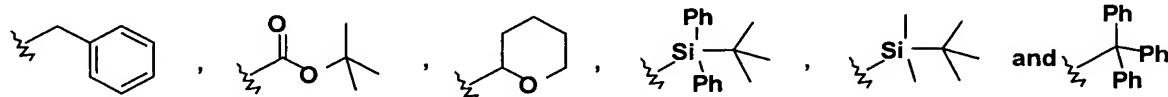


said isothiocyanate is selected from the group comprising



said leaving group is selected from the group comprising halo, mesylate, tosylate, and trifluorosulfonate.

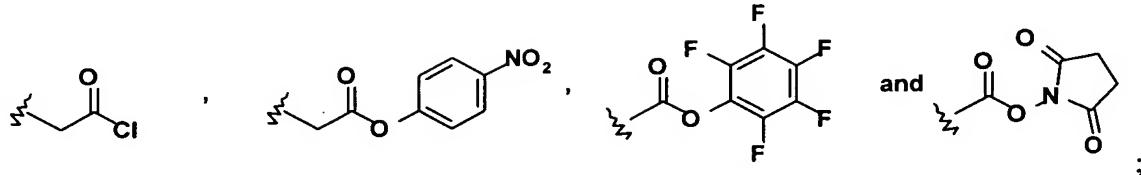
39. (New) The compound of claim 16 wherein said protective group is selected from the group comprising benzyloxycarbonyl,



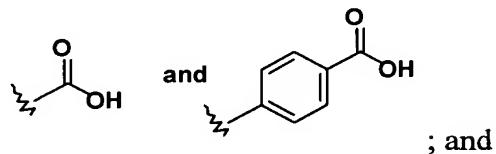
said activated ester is selected from the group comprising

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said carboxylic acid is selected from the group comprising



said leaving group is selected from the group comprising halo, mesylate, tosylate, and trifluorosulfonate.